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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/044,187	01/10/2002	Wang-seup Yeum	SAM-0303	9776	
7:	590 06/27/2005		EXAMINER		
Steven M. Mills			NGO, CHUONG D		
MILLS & ONE Suite 605	ELLO LLP	ART UNIT	PAPER NUMBER		
Eleven Beacon	Street		2193	2193	
Boston, MA (02108		DATE MAILED: 06/27/200	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

1							
	Appli	ication No.	Applicant(s)				
		44,187	YEUM, WANG-SEUP				
Office Action Summar	y Exan	niner	Art Unit				
		ng D. Ngo	2193				
The MAILING DATE of this com	munication appears o	n the cover sheet	with the correspondence address				
A SHORTENED STATUTORY PERIOD THE MAILING DATE OF THIS COMM - Extensions of time may be available under the provafter SIX (6) MONTHS from the mailing date of this - If the period for reply specified above is less than the lift NO period for reply is specified above, the maxim - Failure to reply within the set or extended period for Any reply received by the Office later than three meanned patent term adjustment. See 37 CFR 1.704	AUNICATION. visions of 37 CFR 1.136(a). In a communication. nirty (30) days, a reply within the communication will apply to reply will, by statute, cause the onths after the mailing date of the control of the contr	no event, however, may ne statutory minimum of the and will expire SIX (6) Me ne application to become	a reply be timely filed nirty (30) days will be considered timely. DNTHS from the mailing date of this communication. ABANDONED (35 U.S.C. & 133).				
Status							
1) Responsive to communication(s	s) filed on 10 January	2002.					
2a) This action is FINAL .	2b)⊠ This action						
3)☐ Since this application is in cond	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the p							
Disposition of Claims							
4)⊠ Claim(s) <u>1-6</u> is/are pending in the	ne application.						
4a) Of the above claim(s)	* *	n consideration.					
5) Claim(s) is/are allowed.			`				
6)⊠ Claim(s) <u>1-3</u> is/are rejected.							
7) Claim(s) <u>4-6</u> is/are objected to.							
8) Claim(s) are subject to re	estriction and/or electi	on requirement.					
Application Papers							
9) The specification is objected to t	ov the Examiner.						
10)⊠ The drawing(s) filed on <u>10 Janua</u>	•	accepted or b)	objected to by the Examiner.				
Applicant may not request that any			-				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is object			•				
Priority under 35 U.S.C. § 119	·		·				
12) Acknowledgment is made of a c		y under 35 U.S.C.	§ 119(a)-(d) or (f).				
a)⊠ All b)□ Some * c)□ None							
1. Certified copies of the pri							
2. Certified copies of the pri							
			n received in this National Stage				
application from the Interest * See the attached detailed Office attached		, ,,	at received				
Soo the attached detailed office t	action for a list of the	certified copies fit	it received.				
Attachment(s)							
1) Notice of References Cited (PTO-892)	(DTA 6:5)		Summary (PTO-413)				
 2) Notice of Draftsperson's Patent Drawing Revi 3) Information Disclosure Statement(s) (PTO-14 			o(s)/Mail Date Informal Patent Application (PTO-152)				
Paper No(s)/Mail Date	3.1.1 (3/36/00)	6) Other: _	· · · · · · · · · · · · · · · · · · ·				
U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04)	Office Action Su	mmarv	Part of Paper No./Mail Date 2005062	. 10			
		•	. S. C. S. Capol Mountain Date 2000002	- MR			

DETAILED ACTION

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chen et al. (5,432,723).

Chen discloses in figure 3 a circuit for implementing IIR filter (see figure 1) having an inputting portion (81-84), an arithmetic portion (85,86), output data portion (87-89), and an inherent/obvious multiplexing means for providing corresponding two out of four data (X0,X1,Y0,Y1) from the inputting portion to the two input of the multiplier (85). It is noted that Chen et al. does not specifically disclose a use of the circuit for a digital base boosters. However, since the implementing a digital base booster by an IIR filter is well-known in the art. it would have been an obvious field of use to a person of ordinary skill in the art to employ the circuit of Chen et al. in implementing a digital base boosters.

3. Claims 4-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuong D. Ngo whose telephone number is (571) 272-3731. The examiner can normally be reached on Tuesday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chuong D Ngo Primary Examiner

They

Art Unit 2193

06/22/2005